





BASE COUNT	107 a	95 c	138 g	98 t	2 others
ORIGIN					
Query Match	94.1%	Score 193;	DB 30;	Length 440;	
Best Local Similarity	52.1%	Pred. No. 3.93e-16;			
Matches	25;	Conservative	16;	Mismatches 7;	Indels 0;
Db	198	AAAACCTCAGCGGCTGCAGAGGAGAGAGGTTCTCCAGAGTCCGGAAC	245		
Oy	1	AAARAAWMSWMSNGMTGGAARGARGARGTNTYTCARWSMGNAY	48		
RESULT	4	T27397	461 bp	mRNA	EST
LOCUS	DEFINITION	hbc2545	Human pancreatic islet Homo sapiens cDNA clone hbc2545		06-DEC-1994
ACCESSION	NID	T27397	9601671		
VERSION	KEYWORDS	T27397.1	GI:601671		
SOURCE	ORGANISM	human.			
REFERENCE	AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eukaria; Primates; Carnivora; Homiidae; Homo.			
TITLE	JOURNAL	1 (bases 1 to 461)			
COMMENT		Bell, G.I. and Takeda, J.			
		Human pancreatic islet cDNAs			
		unpublished (1995)			
		Contact: Bell GI or Takeda J			
		HMVI			
		Univ. of Chicago			
		5841 S. Maryland Ave., MC1028, Chicago IL 60637			
		Tel: 3127029116			
		Fax: 3127020271			
		Email: g-bell@uchicago.edu			
		Seq primer: SK primer.			
		Location/Qualifiers			
		1. .461			
		/organism="Homo sapiens"			
		/note="Vector: Lambda ZapR1. Site_1: Eco RI; Site_2: Xho I; mRNA was prepared from normal adult human islets. cDNA was directionally synthesized from the Xho I in the vector to the EcoRI site. cDNA was size fractionated to remove sequences <1000 bp in size."			
		/db_xref="taxon:9606"			
		/clone="hbc2545"			
		/clone_lib="Human pancreatic islet"			
		110 a	116 c	133 g	91 t
					11 others
BASE COUNT	110 a	116 c	133 g	91 t	11 others
ORIGIN					
Query Match	94.1%	Score 193;	DB 8;	Length 461;	
Best Local Similarity	52.1%	Pred. No. 3.93e-16;			
Matches	25;	Conservative	16;	Mismatches 7;	Indels 0;
Db	166	AAAACCTCAGCGGCTGCAGAGGAGAGAGGTTCTCCAGAGTCCGGAAC	213		
Oy	1	AAARAAWMSWMSNGMTGGAARGARGARGTNTYTCARWSMGNAY	48		
RESULT	5	R73021	463 bp	mRNA	EST
LOCUS	DEFINITION	y194b10.r1 Soares breast 2NBHst Homo sapiens cDNA clone			02-JUN-1995
ACCESSION	NID	R73021	9847053		

VERSION	R73021.1	GI:847053
KEYWORDS	EST.	
SOURCE	human.	
ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;	
REFERENCE	Eutheria; Primates; Catarrhini; Hominoidea; Homo.	
AUTHORS	1 (bases 1 to 463) Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Pearson,J., Rifkin,L., Roehlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohlmann,P. and Wilson,R.	
TITLE	The Wash-Merck EST Project	
JOURNAL	Unpublished (1995)	
COMMENT	On May 9, 1995 this sequence version replaced gi:802810.  Contact: Wilson RK Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: est@watson.wustl.edu Insert Size: 829 High quality sequence stops: 348 Source: IMAGE Consortium, LNLN This clone is available royalty-free through LNLN ; contact the IMAGE Consortium ( <a href="mailto:info@image.lnl.gov">info@image.lnl.gov</a> ) for further information. Insert Length: 829 Std Error: 0.00 Seq primer: M13Rpl High quality sequence stop: 348. Location/Qualifiers 1..463	
FEATURES	/organism="Homo sapiens" /note="Organ: breast; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site.1: Not I; Site.2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGCCGCCCTTTTGTATTGTATTTT 3'] , double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pTZ3 vector (Pharmacia). Library went through one round of normalization to a Cot = 230. Library constructed by Bento Soares and M.Fatima Bonaldo." /db_xref="GDB:570059" /db_xref="taxon:9606" /clone="IMAGE:156379" /clone_lib="Soares breast 2NbHBst" /sex="Female" /dev_stage="adult" /lab_host="DH10B (ampicillin resistant)" BASE COUNT 107 a 121 c 135 g 97 t 3 others	
ORIGIN		
Query Match	94.1%; Score 193; DB 30; Length 463; Best Local Similarity 52.1%; Pred. No. 3,93e-16; Matches 25; Conservative 16; Mismatches 7; Indels 0; Gaps 0;	
Db	8 AAAAAGTCAGCGGCTGTGAAGAGAGAGAGTTCTCCAGACTCGAAC 55	
Oy	1 AARAAVMSNSNGNTGGAARGARGARGARTNTNCARWSMGNAAV 48	
RESULT	6	
LOCUS	A1570386 625 bp mRNA EST 29-MAR-1999	
DEFINITION	to78g10.x1 NCI-CGAP_Gas4 Homo sapiens CDNA clone IMAGE:2184450 3'	
	similar to TR:Q99718 Q99718 EPITHELIAL-SPECIFIC TRANSCRIPTION	
FACTOR ESE-1A. [1] ;	mRNA sequence.	
ACCESSION	A1570386	
MID	94533760	
VERSION	A1570386.1 GI:4533760	
KEYWORDS	EST.	
SOURCE	human.	
ORGANISM	Homo sapiens	





BASE COUNT	121 a	115 c	156 g	103 t	1 others
ORIGIN	/lab_host="DH10B"				
Query Match	79.5%	Score 163:	DB 14:	Length 496:	
Best Local	Similarity 47.9%	Pred. No. 4,25e-10:			
Matches	23: Conservative	15: Mismatches	10: Indels	0: Gaps	0:
Db	163	AAGAAGCTCTAGTGGCTTGGAAAGAGAAGACGTTTGGACAGATCGGAT	210		
Oy	1	AARAAWMSNWSNGNTGGAARGARGARGAGTGYTCARWSMNGNAY	48		
RESULT	11				
LOCUS	F14618	159 bp	MRNA	EST	09-SEP-1996
DEFINITION	SS04H10 Porcine small intestine cDNA library Sus scrofa cDNA clone				
ACCESSION	U4618				
NID	9972496				
KEYWORDS	F14618.1 GI:972496				
SOURCE	EST.				
ORGANISM	Sus scrofa				
REFERENCE	Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Mammalia:				
AUTHORS	Eutheria, Attiodactyla, Suiornes, Suiine: Suiide, Sus.				
TITLE	1 (bases 1 to 159)				
JOURNAL	Wintero,A.K., Fredholm,M. and Davies,W.				
MEDLINE	Evaluation and characterization of a porcine small intestine cDNA				
COMMENT	library: analysis of 839 clones				
	Mamm. Genome 7 (7), 509-517 (1996)				
	96327607				
FEATURES					
Source	Contact: A.K. Wintero				
	Department of Animal Science and Animal Health, Division of Animal				
	Genetics, The Royal Veterinary and Agricultural University				
	Bulowvej 13, 1870 Frederiksberg C, Denmark				
	homolog to human E74-like factor Elf-1.				
	Location/Qualifiers				
	1..159				
	/organism="Sus scrofa"				
	/note="directionally cloned cDNA in XLI-Blue MRF"				
	/db_xref="taxon:9823"				
	/clone="c4h10"				
	/clone_1lb="Porcine small intestine cDNA library"				
BASE COUNT	43 a	36 c	57 g	23 t	
ORIGIN					
Query Match	71.7%	Score 147:	DB 31:	Length 159:	
Best Local	Similarity 45.8%	Pred. No. 4,69e-07:			
Matches	22: Conservative	14: Mismatches	12: Indels	0: Gaps	0:
Db	112	AAGAAGCTCAGCGGCTGCGAGAGAAGATGTCGGCGCGCGGAGC	159		
Oy	1	AARAAWMSNWSNGNTGGAARGARGARGAGTGYTCARWSMNGNAY	48		
RESULT	12				
LOCUS	C06679	472 bp	MRNA	EST	23-AUG-1996
DEFINITION	C06679 Rat pancreatic islet cDNA Rattus norvegicus cDNA similar to				
ACCESSION	C06679				
NID	91503455				
KEYWORDS	C06679.1 GI:1503455				
SOURCE	EST.				
ORGANISM	Norway rat.				
	Rattus norvegicus				
	Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Mammalia:				
	Eutheria: Rodentia: Sciurognathi: Muridae: Murinae: Rattus.				
	1 (bases 1 to 472)				
REFERENCE	Large scale collection of expressed sequence tags (ESTs) from rat				
AUTHORS	pancreatic islet cDNA library				
TITLE	unpublished (1996)				
JOURNAL					

On Apr 14, 1993 this sequence version replaced g1:785662.

COMMENT

Contact: Jun Takeda  
Institute for Molecular and Cellular Regulation, Gunma University  
3-39-15 Shova-machi, Maebashi Gunma 371, Japan  
Tel: 272-20-8856  
Fax: 272-20-8896  
Email: jtakeda@sb.gunma-u.ac.jp.

FEATURES

source  
Location/Qualifiers  
1. .472  
/organism="Rattus norvegicus"  
/note="Vector: Lambda ZAPR; Site\_1: EcoRI; Site\_2: XhoI;  
mRNA was prepared from normal rat islets. cDNA was  
directionally synthesized from the Xho I in the vector to  
the EcoRI site"  
/map="7; 17q21"  
/clone\_1lb="Rat pancreatic islet cDNA"  
/tissue\_type="pancreatic islet"

BASE COUNT 122 a 112 c 132 g 98 t 8 others

ORIGIN

Query Match 69.8%; Score 143; DB 35; Length 472;  
Best Local Similarity 46.5%; Pred. No. 2,556-06;  
Matches 20; Conservative 14; Mismatches 9; Indels 0; Gaps 0;

Db 269 AAGAAGCTCCAGTGGCTGAGAGAGAGAGCTTGAGAGACTC 311  
Oy 1 AARAAVWSNWSNGWNTGGAARGARGARGARGTNTYNCARWENM 43  
|||||::: |||||||:::|||||:::|:::|  
|||||::: |||||||:::|||||:::|:::|

RESULT 13  
LOCUS AA085539 496 bp mRNA EST 01-AUG-1997  
DEFINITION zn44911.1 Striagene Hela cell s3 937216 Homo sapiens cDNA clone  
IMAGE:550340 5', mRNA sequence.  
ACCESSION AA085539  
NID g1628748  
KEYWORDS AA085539.1 GI:1628748  
EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Chordata; Craniata; Vertebrata; Mammalia;  
Eutheria; Primates; Catarrhini; Homiidae; Homo.  
REFERENCE 1 (bases 1 to 496)  
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,  
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,  
Parsons,J., Rifkin,L., Rohlfing,T., Tan,F., Trevasakis,E.,  
Waterston,R., Williamson,A., Woldmann,P. and Wilson,R.  
WashU-Merck EST Project  
Unpublished (1995)  
On Apr 14, 1993 this sequence version replaced g1:837511.

TITLE  
JOURNAL  
COMMENT

Contact: Wilson RK  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: est@watson.wustl.edu  
This clone is available royalty-free through LNL; contact the  
IMAGE Consortium (info@image.lnl.gov) for further information.  
Insert Length: 857 Std Error: 0.00  
Seq primer: -28M13 rev2 from Amersham  
High quality sequence stop: 395.  
Location/Qualifiers  
1. .496  
/organism="Homo sapiens"  
/note="Vector: p Bluescript SK-; Site\_1: EcoRI; Site\_2:  
XhoI; Cloned unidirectionally. Primer: Oligo dT. Hela S3  
epithelial carcinoma cells grown to semi-confluency  
without induction. Average insert size: 1.5 kb; Uni-ZAP XR  
vector. -5' adaptor sequence: 5' GAATTCGACGACGAG 3' -3'  
adaptor sequence: 5' CTGCAAGTTTTTTTTTTTTTTTTTTT 3'"  
/db\_xref="GDB:3928858"

FEATURES

source

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/db_xref="taxon:9606"
/clone="IMAGE:550340"
/clone_lib="Scratchene HeLa cell s3 937216"
/sex="female"
/dev_stage="HeLa S3 cell line"
/lab_host="SOLR (kanamycin resistant)"
BASE COUNT      105 a      137 c      144 g      109 t      1 others
ORIGIN
Query Match      69.8%; Score 143; DB 36; Length 496;
Best Local Similarity 48.9%; Pred. No. 2,56e-06;
Matches 23; Conservative 16; Mismatches 7; Indels 1; Gaps 1;

Db 450 GTTCCGACTCTGGAGACCT-TTCTCTCTCCAGCCGCTGAGTTT 495
CP 48 RTTNCKNSWYTGNAKNACCTCYCTCYCTCCANCCNSWNRRTYT 2

RESULT 14
LOCUS H27938 253 bp mRNA EST 13-JUL-1995
DEFINITION H27938.1 Soares Breast 3NBHst Homo sapiens CDNA clone
IMAGE:162479 5', mRNA sequence.
ACCESSION H27938
NID 9898291
VERSION H27938.1 GI:898291
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE 1 (bases 1 to 253)
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Holtman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Woldmann,P. and
Wilson,R.
TITLE The Mashu-Merck EST Project
JOURNAL Unpublished (1995)
COMMENT On Apr 18, 1995 this sequence version replaced gi:775334.

Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 780
High quality sequence stops: 71
Source: IMAGE Consortium, LNL
This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.lnl.gov) for further information.
Insert Length: 780 Std Error: 0.00
Seq primer: M13RP1
High quality sequence stop: 71.
Location/Qualifiers
1. 253
/organism="Homo sapiens"
/note="Organ: breast; Vector: p773D (Pharmacia) with a
modified polylinker; Site:1: Not I; Site:2: Eco RI; 1st
strand CDNA was primed with a Not I - oligo(dT) primer [5'
TGTTCACATCTGAGTGGAGCGGCCCTTTTCTTTTCTTTTCTTTT 3'],
double-stranded CDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of a modified p773 vector (Pharmacia).
Library went through one round of normalization to a Cot =
20. Library constructed by Bento Soares and M.Felima
Bonaldi."
/db_xref="GDB:576743"
/db_xref="taxon:9606"
/clone="IMAGE:162479"
/clone_lib="Soares breast 3NBHst"
/sex="female"
/dev_stage="adult"

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BASE COUNT      53 a      71 c      73 g      51 t      5 others
ORIGIN
Query Match      63.9%; Score 131; DB 31; Length 253;
Best Local Similarity 54.8%; Pred. No. 3,60e-04;
Matches 17; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

Db 1 GAAGGAGGAGAGGTTCTTCAGATCGGAC 31
OY 18 GAARGARGARGARGTNTNCAKMSNGNAY 48

RESULT 15
LOCUS AA921310 154 bp mRNA EST 20-APR-1998
DEFINITION AA921310.1 Barstead spleen HPLR82 Homo sapiens CDNA clone
IMAGE:1425120 3', mRNA sequence.
ACCESSION AA921310
NID 93068089
VERSION AA921310.1 GI:3068089
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE 1 (bases 1 to 154)
AUTHORS Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,
Krizman,D., Kucaba,T., Lacey,M., Le,M., Lennon,G., Marra,M.,
Martin,J., Moore,B., Schellenberg,K., Stepien,M., Tan,F.,
Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.
TITLE Mashu-NCI human EST Project
JOURNAL Unpublished (1997)
COMMENT On Apr 14, 1993 this sequence version replaced gi:692885.

Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.lnl.gov) for further information.
Seq primer: -40m13 fwd. ET from Amersham
High quality sequence stop: 148.
Location/Qualifiers
1. 154
/organism="Homo sapiens"
/note="Organ: spleen; Vector: p773D-Pac (Pharmacia) with
a modified polylinker; Site:1: EcoRI; Site:2: NotI; 1st
strand CDNA was primed with a Not I - oligo(dT) primer [5'
TGTTCACATCTGAGTGGAGCGGCCCTTTTCTTTTCTTTTCTTTT 3'],
double-stranded CDNA was ligated to Eco RI adaptors
(AATTCGATCCTTG), digested with Not I and cloned into the
Not I and Eco RI sites of the modified p773 vector.
Library constructed by Bob Barstead.
/db_xref="taxon:9606"
/clone="IMAGE:1425120"
/clone_lib="Barstead spleen HPLR82"
/sex="male"
/dev_stage="adult, 17 years"
/lab_host="DH10B"

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BASE COUNT      54 a      20 c      36 g      44 t
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Best Local Similarity 41.7%; Pred. No. 8,46e-03;
Matches 20; Conservative 14; Mismatches 14; Indels 0; Gaps 0;

Db 38 AAGAACAACAGTGTATGAAAGAGAGATTACAACTAAGAT 85
OY 1. AARAYWMSWMSGNTGGAARGARGARGTNTNCAKMSNGNAY 48

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Tue Oct 26 15:35:47 1999

US-08-978-217-12.rst

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Job time : 1217 secs.